

**CLAIMS**

Now, therefore, the following is claimed:

1           1.       A system for selectively blocking event signals associated with  
2   operating systems, comprising:  
3           an operating system configured to detect an occurrence of an event and to  
4   transmit an event signal corresponding to said event;  
5           a first data structure having a first value indicating whether said event signal is  
6   blocked; and  
7           a device responsive to a system call for updating said first value in said first  
8   data structure, said device configured to receive said event signal from said operating  
9   system and to transmit a signal indicating said occurrence of said event in the absence  
10   of an indication from said first value that said event signal is blocked.

1           2.       The system of claim 1, wherein said indication corresponds to a set bit  
2   of a bit vector.

1           3.       The system of claim 1, wherein said device is a translation device  
2   configured to intercept and interpret signals from said operating system and a software  
3   program.

1           4.       The system of claim 1, wherein said system call is an instruction for  
2   said operating system to block said event signal.

1           5.       The system of claim 1, wherein said system for selectively blocking is  
2 associated with a translation system that receives signals transmitted to said operating  
3 system, interprets said signals, and translates said signals into a form compatible with  
4 said operating system.

1           6.       The system of claim 1, wherein said first value is defined by a bit  
2 associated with a bit vector.

1           7.       The system of claim 1, further comprising a second data structure  
2 having a second value corresponding with said first value and configured to indicate  
3 that said device received said event signal, and wherein said device is further  
4 configured to transmit said signal indicating said occurrence of said event based on  
5 said second value.

1           8.       The system of claim 7, wherein said system call is configured to  
2 instruct said operating system to unblock said event signal.

1           9.     A system for selectively blocking event signals associated with an  
2     operating system, comprising:  
3           a first data structure having a plurality of values, each of said plurality of  
4     values indicating whether a corresponding event signal is blocked; and  
5           a device responsive to system calls for controlling said plurality of values in  
6     said first data structure and responsive to an event signal from said operating system  
7     for analyzing one of said plurality of values corresponding to said event signal in  
8     order to determine whether said event signal is blocked,  
9           wherein said device transmits a signal corresponding to said event signal when  
10    said device determines that said event signal is not blocked based on said one of said  
11    plurality of values.

1           10.    The system of claim 9, wherein said system for selectively blocking is  
2     associated with a translation system that receives signals transmitted to said operating  
3     system, interprets said signals, and translates said signals into a form compatible with  
4     said operating system.

1           11.    The system of claim 9, wherein said first data structure is defined by a  
2     bit vector.

1           12.    The system of claim 9, further comprising a second data structure  
2     having a second plurality of values, each of said second plurality of values indicating  
3     whether a corresponding blocked event signal has been received by said device.

1           13.     The system of claim 12, wherein said device is responsive to an  
2     unblocking system call for analyzing one of said second plurality of values and for  
3     transmitting a particular signal when said one of said second plurality of values  
4     indicates that said blocked event signal has been received by said device.

1           14.     The system of claim 12, wherein said particular signal corresponds to  
2     said blocked event signal.

1           15.     A method for selectively blocking event signals associated with an  
2     operating system, comprising the steps of:  
3             intercepting an event signal from said operating system;  
4             determining whether said event signal is blocked subsequent to said  
5     intercepting step; and  
6             transmitting a signal corresponding to said event signal in the absence of a  
7     determination that said signal is blocked.

1           16.     The method of claim 15, further comprising the steps of:  
2             receiving an unblocking system call corresponding to an event associated with  
3     said event signal;  
4             determining whether said event occurred prior to said receiving step; and  
5             transmitting said signal corresponding to said event signal when said event  
6     occurred prior to said receiving step.

1           17.     The method of claim 15, further comprising the steps of:  
2           receiving a system call indicating whether said event signal is blocked; and  
3           indicating whether said event signal is blocked based on said receiving step.

1           18.     The method of claim 17, wherein said system call is a blocking system  
2     call.

1           19.     A system for selectively blocking event signals associated with an  
2     operating system, comprising:  
3           means for intercepting an event signal from said operating system;  
4           means for determining whether said event signal is blocked subsequent to said  
5     intercepting step; and  
6           means for transmitting a signal corresponding to said event signal in the  
7     absence of a determination that said event signal is blocked.

1           20.     The system of claim 19, further comprising:  
2           means for receiving an unblocking system call corresponding to an event  
3     associated with said event signal;  
4           means for determining whether said event occurred prior to said receiving  
5     step; and  
6           means for transmitting said signal corresponding to said event signal when  
7     said event occurred prior to said receiving step.

1           21.     The system of claim 19, further comprising:

2 means for receiving a system call indicating whether said event signal is  
3 blocked; and  
4 means for indicating whether said event signal is blocked based on said  
5 receiving step.

1 22. The system of claim 21, wherein said system call is a blocking system  
2 call.